Javier Rosales Lozano

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TECHNICAL SKILLS

- **Python:** Object-Oriented Programming, Procedural Programming, Data Science, Software Engineering, Artificial Intelligence, Machine Learning, Cryptography, Distributed Systems (TCP/IP)
- **C / C++:** Concurrency, Distributed Systems (TCP/IP, POSIX Message Queues, ONC RPC), Web Services, Lexical/Syntax Analysis (Flex & Bison), Functional Programming, Assembly Programming (RISC-V)
- **SQL:** Database Management
- **HTML5 / CSS:** Advanced Web Development
- **JavaScript:** Interactive System Development (Node.js, REST APIs, Express/Socket.IO)
- **Excel:** Advanced Knowledge, Database Handling
- **GitHub/Git:** Version Control

LANGUAGES

Spanish: Native
English:B2 Level, Cambridge English First (FCE)

INTERESTS

Black Belt in Judo, 1st Dan (Spanish Judo Federation)

- Promotes the values of judo: discipline, respect, honesty, and self-control

PROFESSIONAL PROFILE

Computer Engineering student aiming to fully develop in my profession by participating in technological and innovative projects where I can apply my knowledge and skills to create value, enjoy my work, and maintain a balance between stability and professional growth. Motivated by the trust and support received throughout my education, with a strong desire to actively pursue my goals while learning and growing every day.

ACADEMIC BACKGROUND

09/2022 - Present
University Carlos III de Madrid | Leganés (Madrid)
Pursuing a Bachelor's Degree in Computer Engineering

09/2020 - 05/2022
IES La Senda | Getafe (Madrid)
High School Diploma: Science Track

OUTSTANDING PROJECTS

MyHomie! - Design of an Interactive System following Design Thinking
Technologies: JavaScript, Node.js, APIs REST, Socket.IO, Express, HTML/CSS
- Home automation application powered by an Express server.
- Includes gesture recognition using a mobile device and voice command integration.

Predictive model for employee resignation
Technologies: Python, Scikit-Learn, Pandas, Numpy, Matplotlib
- Use of supervised ML algorithms.
- Results analysis using domain-specific metrics.

Distributed Application for Message and File Passing
Technologies: Python, C, Web Services, Sockets, RPC/ONC
- Client-server communication across different programming languages.
- File transfer between clients, RPC server, and web service.

WORK EXPERIENCE

10/2025 - Present
Web Developer | Content Trip Solutions, S.L. (Smartvel)
External academic internships
10/2022 - 10/2025
Private tutor
Face-to-face and virtual classes for official exam preparation

SOFT SKILLS

- Organizational skills – Teamwork
- Project planning – Initiative and proactivity
- Problem solving – Conflict mediation and management